

METHODS FOR DETERMINING REFRACTIVE CORRECTIONS FROM WAVEFRONT MEASUREMENTS

ABSTRACT OF THE DISCLOSURE

A method for determining a refractive correction for an eye involves measuring an optical error of the eye, calculating at least one image quality parameter for a selected spatial frequency or range of spatial frequencies, based on the measured optical error of the eye, and forming a plan for refractive correction of the optical error, based on the calculated image quality parameter. In some embodiments, measuring the optical error involves taking one or more wavefront measurements. In some embodiments, calculating the parameter involves calculation a modulation transfer function.

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